

ABSTRACT

An occupant classification sense element is provided. The sense element has a body having a center portion, a first attachment portion connected to the center portion by a first flexible beam, and a second attachment portion connected to the center portion by a second flexible beam. First and second strain sensing elements are attached to the first flexible beam and third and fourth strain sensing elements are attached to the second flexible beam. The first, second, third and fourth strain sensing elements cooperate to produce an electrical signal indicative of a force deflecting the first and second flexible beams.